REMARKS/ARGUMENTS

Favorable reconsideration of this application is respectfully requested.

Claims 1-13 are pending in this application. Claim 1 was rejected under 35 U.S.C. §112, second paragraph. Claims 1, 2, 7, and 8 were rejected under 35 U.S.C. §103(a) over applicants' admitted art and U.S. patent 6,618,157 to Coyle et al. (herein "Coyle"). Claims 3-6 and 9-12 were rejected under 35 U.S.C. §103(a) as unpatentable over applicants' admitted art and Coyle and U.S. patent 6,370,631 to Dye.

Addressing first the rejection of claim 1 under 35 U.S.C. §112, second paragraph, that rejection is traversed by the present response. More particularly, claim 1 is amended by the present response to clarify the noted relationships. The amendments to claim 1 are believed to address the rejection thereto under 35 U.S.C. §112, second paragraph.

Addressing now the rejection of claims 1, 2, 7, and 8 under 35 U.S.C. §103(a) as unpatentable over applicants' admitted art and Coyle, and the further rejection of claims 3-6 and 9-12 further in view of Dye, those rejections are traversed by the present response.

Initially, applicants note each of independent claims 1 and 7 is amended by the present response to clarify features recited therein. Specifically, independent claim 1 clarifies the print engine operating "to form a visible image based on the image data received through the peripheral device interconnection port". Independent claim 1 now also recites a "central processing unit" and such that "the central processing unit and the first memory are connected on a side of the graphics port with respect to the image data processing unit". Independent claim 1 further recites that "the central processing unit stores the image data in the first memory, and transfers the image data stored in the first memory to the print engine through the graphics port, the data processing unit, and the peripheral device interconnection port".

Independent claim 7 is amended by the present response to further recite "the method being performed under a control of a central processing unit provided on a side of the graphics port of the image data processing unit". Independent claim 7 also clarifies that the first memory is "provided on the side of the graphics port of the image data processing unit".

The above-noted features are believed to be clear from the original disclosure. As a non-limiting example, Figure 2 in the present specification discloses a central processing unit CPU 102 connected to a first memory MEM-P 104 on the side of the graphics port AGP 106 with respect to the image data processing unit ASIC 108.

With respect to the admitted art of Figure 1, it is clear that the admitted art of Figure 1 does not teach or suggest a structure in which a CPU is connected to a first memory on a side of a graphics port with respect to an image data processing unit. The admitted art of Figure 1 does not even teach or suggest a graphics port.

Moreover, applicants respectfully submit that the teachings in Coyle cannot overcome the above-noted deficiencies in the admitted art.

Coyle discloses in Figure 1 an interface card 12 on a motherboard 6 of a computer and a RAM 10 connected to the interface card 12 so that image data from the RAM 10 is transferred to a copier 16 through the interface card 12.

However, in such aspects and with such a structure Coyle does not disclose or suggest any unit corresponding to the claimed "image data processing unit" and "central processing unit" as now recited in amended independent claims 1 and 7. Coyle further does not teach or suggest a structure in which a central processing unit and a first memory are connected on a side of a graphics port with respect to an image data processing unit. Moreover, Coyle does not disclose or suggest a print engine provided on a side of a peripheral device interconnection portion with respect to the image data processing unit.

In such ways, applicants respectfully submit the teachings in <u>Coyle</u> do not overcome

the deficiencies of the admitted art of Figure 1 with respect to the currently claimed features.

In such ways, applicants respectfully submit that clearly amended independent claims

1 and 7, and the claims dependent therefrom, patentably distinguish over the teachings in

<u>Coyle</u>.

Moreover, no teachings in <u>Dye</u> can overcome the above-noted deficiencies of the

admitted art in view of <u>Coyle</u>.

The present response also sets forth new independent claim 13 for examination. New

independent claim 13 is believed to be allowable for similar reasons as discussed above with

respect to amended independent claims 1 and 7.

In view of these foregoing comments, applicants respectfully submit that each of

claims 1-13 is allowable.

As no other issues are pending in this application, it is respectfully submitted that the

present application is now in condition for allowance, and it is hereby respectfully requested

that this case be passed to issue.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.
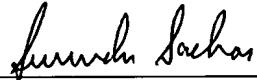
Gregory J. Maier
Attorney of Record
Registration No. 25,599
Surinder Sachar
Registration No. 34,423

Customer Number
22850

Tel: (703) 413-3000
Fax: (703) 413-2220
(OSMMN 06/04)

I:\ATTY\SNS\22's\228204\220449US-AM & RCE DUE 082804.DOC